

FOR IMMEDIATE RELEASE

LS9100 Archimedes Series
PRESS RELEASE



Dimmable High Voltage Direct AC LED Driver

Melville, NY - LSI/CSI announces the availability of a powerful, all inclusive new system level, High Voltage LED Dimmable Driver IC. Designated **LS9100 Archimedes Series**, this high-performance, low cost IC has a rugged design optimized for driving LED banks directly from the main utility line which eliminates the previously required, expensive and bulky AC-DC Power Supplies formerly used to drive LEDs.

The **LS9100** has integrated a full bridge rectifier, current limiter source protection circuit, built-in thermal protection feature centrally located in the device that protects the IC from operating in atypical conditions, and a voltage shutdown circuit which safeguards the IC and the system's LEDs from line voltage surges that can overstress the system, all on a single IC. By merging these features into an IC, the **LS9100** enables luminary designers to make LED luminaries with designs that are unconstrained by the size and bulk of the previously required Power Supply.

The versatile **LS9100** is parallelable allowing for the design of Light Engines and Fixtures with much higher luminosity.

Features:

- Integrated MOSFET Driver
- Vin up to 310 Vac
- 50mA DC Output Current
- Thermal Turndown Protections
- High Voltage Shutdown Protections
- Thermal Enhanced 8-Pin SOIC Heat Sink PAD

Applications:

- LED Driver
- Current Source Limiter
- General Illumination
- Commercial and Industrial Lighting

View the LS9100 Data Sheet here: <http://www.lsicsi.com/new.htm#LS9100>

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ABOUT LSI COMPUTER SYSTEMS, INC.

LSI Computer Systems, Inc. (LSI/CSI) began operations as the world's first fabless semiconductor company in 1969. Since its inception, LSI/CSI has been a leader in the **design and production of affordable full custom and standard mixed-signal, digital and analog integrated circuits**. Using a broad array of process technologies, LSI/CSI has produced ICs that extend from the consumer and industrial marketplace to military and aerospace applications. The company's proven expertise and strong reputation have made LSI/CSI the IC provider of choice for leading manufacturers in a broad range of industries.